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Sheet 1

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Signature

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
nitials*	Cite No.1	Number-Kind Code ^{2 (F Incom)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevan Figures Appear
A.S./	AA	^{US-} 5,346,683	9/13/1994	Green et al.	
T	AB	^{US-} 5,457,343	10/10/1995	Ajayan et al.	
Т	AC	us- 5,482,601	1/9/1996	Ohshima et al.	
	AD	^{US-} 5,560,898	10/1/1996	Uchida et al.	
\top	AE	^{US-} 5,627,140	5/6/1997	Fossheim et al.	
T	AF	^{US-} 5,641,466	6/24/1997	Ebbesen et al.	
	AG	US- 5,648,056	7/15/1997	Tanaka	
	AH	us- 5,695,734	12/9/1997	Ikazaki et al.	
	Al	^{US-} 5,698,175	12/16/1997	Hiura et al.	
	AJ	us- 5,753,088	5/19/1998	Olk	
T	AK	^{US-} 5,773,834	6/30/1998	Yamamoto et al.	
	AL	^{US-} 5,780,101	7/14/1998	Nolan et al.	
Т	AM	^{US-} 5,866,434	2/2/1999	Massey et al.	
	AN	US- 5,916,642	6/29/1999	Chang	
T	AO	us- 5,965,267	10/12/1999	Nolan et al.	
	AP	us- 5,976,477	11/2/1999	Isoda et al.	
	AQ	^{US-} 5,993,697	11/30/1999	Cohen et al.	
1	AR	^{US-} 6,062,931	5/16/2000	Chuang et al.	
\mathbf{v}^-	AS	us- 6.063.243	5/16/2000	Zetti et al.	

		FORE	IGN PATENT DOCU			
	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Cotumns, Lines, where Relevant Passages Or Relevant Figures Appear	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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	pril 14, 2006	
Application Number	10/595,402	
Filing Date	April 14, 2006	
First Named Inventor	RENEKER, D.	
Art Unit		
Examiner Name		
Attorney Docket Number	089498.0474	_

Examiner -	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code ² (FANNIER)		1	Figures Appear
/A.S./	AT	US- 6,090,363	7/18/2000	Green et al.	
	AU	^{US-} 6,110,590	8/29/2000	Zarkoob et al.	
	AV	US- 6,129,901	10/10/2000	Moskovits et al.	
	AW	US- 6,139,919	10/31/2000	Eklund et al.	
	AX	^{US-} 6,156,256	12/5/2000	Kennel	
	AY	US- 6,157,043	12/5/2000	Miyamoto	
	AZ	US- 6,162,926	12/19/2000	Murphy et al.	
	BA	US- 6,183,714	2/6/2001	Smalley et al.	
	BB	US- 6,203,814	3/20/2001	Fisher et al.	
	BC	US- 6,203,864	3/20/2001	Zhang et al.	
	BD	US- 6,210,800	4/3/2001.	Nesper et al.	
	BE	US- 6,221,330	4/24/2001	Moy et al.	
	BF	^{US-} 6,231,980	5/15/2001	Cohen et al.	
	BG	US- 6,232,706	5/15/2001	Dai et al.	
	ВН	US- 6,250,984	6/26/2001	Jin et al.	
	ВІ	US- 6,265,333	7/24/2001	Dzenis et al.	
T	BJ	US- 6,270,946	8/7/2001	Miller	
1/	вк	US- 6,278,231	8/21/2001	lwasaki et al.	
$\overline{\mathbf{A}}$	BL	US- 6,280,697	8/28/2001	Zhou et al.	

		FOREIC	ON PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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/AITrev Sykes/

Signature

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	Application Number	10/595,402	_
	Filing Date	April 14, 2006	Τ
	First Named Inventor	RENEKER, D.	_
	Art Unit		_
	Examiner Name		_
_	Attomey Docket Number	089498.0474	_

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				DOCUMENTS	
Examiner nitials*	Cite No.	Document Number Number-Kind Code ^{2 (F stroom)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/A.S./	ВМ	US- 6,283,812	9/4/2001	Jin et al.	
T	BN	^{US-} 6,297,592	10/2/2001	Goren et al.	
	ВО	US- 6,303,016	10/16/2001	Diener et al.	
	BP	US- 6,312,303	11/6/2001	Yaniv et al.	
	BQ	US- 6,325,909	12/4/2001	Li et al.	
	BR	US- 6,339,281	1/15/2002	Lee et al.	
	BS	^{US-} 6,346,189	2/12/2002	Dai et al.	
\top	BT	US- 6,354,133	3/12/2002	Yedur et al.	
	BU	US- 6,358,375	3/19/2002	Schwob	
	BV	US- 6,359,383	3/19/2002	Chuang et al.	
	BW	US- 6,361,861	3/26/2002	Gao et al.	
	вх	US- 6,362,011	3/26/2002	Massey et al.	
	BY	US- 6,382,526	5/7/2002	Reneker et al.	
	BZ	US- 6,383,923	5/7/2002	Brown et al.	
	CA	us- 6,395,199	5/28/2002	Krassowski et al.	
	СВ	US- 6,400,088	6/4/2002	Livingston et al.	
	CC	^{US-} 6,401,526	6/11/2002	Dai et al.	
\/,	CD	US- 6,403,876	6/11/2002	Ghoshal et al.	
∇	CE	^{US-} 6,420,293	7/16/2002	Chang et al.	

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Initials*	No.1		Date	Applicant of Cited Document	Where Relevant Passages	۱,
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INFORMATION DISCLOSURE

STATEMENT BY APPLICANT (Use as many sheets as necessary)

Application Number 10/595.402 Filing Date April 14, 2006 First Named Inventor RENEKER, D. Art Unit Examiner Name

Attorney Docket Number 089498.0474 Sheet 4 of T

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	No.1	Document Number Number-Kind Code ^{2 (F Innown)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
L			700/0000	Zhou et al.	
/A.S./	CF	^{US-} 6,422,450	7/23/2002		
1	CG	^{US-} 6,432,866	8/13/2002	Tennent et al.	
	СН	US- 6,437,329	8/20/2002	Yedur et al.	
	CI	^{US-} 6,452,171	9/17/2002	Moloni	
	CJ	^{US-} 6,455,847	9/24/2002	Yedur et al.	
	СК	^{US-} 6,457,350	10/1/2002	Mitchell	1
	CL	^{US-} 6,461,528	10/8/2002	Scherer et al.	
	СМ	US- 6,465,132	10/15/2002	Jin	
	CN	^{US-} 6,465,813	10/15/2002	lhm	
	co	^{US-} 6,473,351	10/29/2002	Tomanek et al.	
	CP	^{US-} 6,479,028	11/12/2002	Kaner et al.	
	cq	^{US-} 6,491,789	12/10/2002	Niu	
	CR	^{US-} 6,495,116	12/17/2002	Herman	
	CS	^{US-} 6,495,258	12/17/2002	Chen et al.	
	CT	us- 6,504,292	1/7/2003	Choi et al.	
	CU	US- 6,512,235	1/28/2003	Eitan et al.	
	cv	^{US-} 6,514,113	2/4/2003	Lee et al.	
1/	cw	^{US-} 6,515,325	2/4/2003	Famworth et al.	
V	СХ	^{US-} 6,515,339	2/4/2003	Shin et al.	

Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Petentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Pesseges Or Relevant Figures Appear	Γ
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Application Number 10/595.402 Filing Date April 14, 2006 First Named Inventor RENEKER, D Art Unit Examiner Name

Attorney Docket Number 089498.0474

(Use as many sheets as necessary) of 5 Sheet 5

Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
nitials*	No.1	Number-Kind Code ^{2 (F known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevan Figures Appear
A.S./	CY	^{US-} 6,515,415	2/4/2003	Han et al.	
1	CZ	^{US-} 6,515,639	2/4/2003	Martinez	
	DA	US- 6,520,425	2/18/2003	Reneker	
	DB	US- 6,524,707	2/25/2003	Rasmussen	7
	DC	US- 6,528,020	3/4/2003	Dai et al.	
	DD	^{US-} 6,528,785	3/4/2003	Nakayama et al.	
	DE	US- 6,531,828	3/11/2003	Yaniv et al.	
1/	DF	us- 6,559,550	5/6/2003	Herman	
A	DG	US- 2003/0111334	6/19/2003	Dodelet et al.	
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Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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